

09-03-02. 1646

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Dated: August 30, 2002 Signature: Richard Zimmermann

Richard Zimmermann

Docket No.: 01017/36667

(PATENT)



IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

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In re Patent Application of:
William A. Banks

Application No.: 10/049,182

Group Art Unit: 1646

Filed: February 8, 2002

Examiner: to be assigned

For: Modulation of the Blood-Brain Barrier
Transporter for Leptin

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
Washington, DC 20231

Dear Sir:

In compliance with 37 C.F.R. §1.97 and the continuing duty of disclosure under 37 C.F.R. §1.56, the attached Form 1449A/PTO and copies of documents cited therein are hereby submitted by the Applicant for consideration in connection with the above-identified patent application.

This information disclosure statement is not intended to be an admission that a search has been made, that other relevant art does not exist, or that any of the information disclosed herein constitutes prior art under 35 U.S.C. §102 or 35 U.S.C. §103.

This statement and the Form 1449A/PTO are submitted before receipt of a first Office Action in the above-identified patent application. Accordingly, it is submitted that no fee is due in this matter under 37 C.F.R. §1.97(b). However, if it is determined that any appropriate fee is due, please charge Deposit Account Number 13-2855. A duplicate of this paper is enclosed.

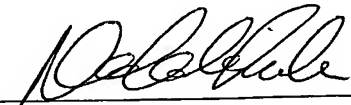
Application No.: 10/049,182

Docket No.: 01017/36667

Respectfully submitted,

Dated: August 30, 2002

By



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Registration No.: 43,363

MARSHALL, GERSTEIN & BORUN

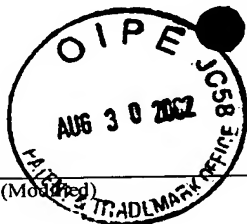
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Sheet 1 of 2

For PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 01017/36667	Serial No. 10/049,182
		Applicant William A. Banks	
		Filing Date February 8, 2002	Group 1646

INFORMATION DISCLOSURE STATEMENT

U.S. PATENT DOCUMENTS

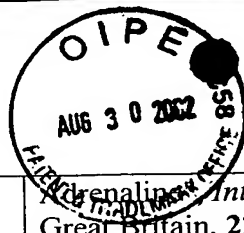
*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date if Appropriate
	A1	4,179,337	12/18/79	Davis et al.	435	181	
	A2	4,525,359	6/25/85	Greenway et al.	514	653	
	A3	5,422,352	6/6/95	Astrup	514	264	
	A4	5,935,810	8/10/99	Friedman et al.	435	69.1	
	A5	6,001,968	12/14/99	Friedman et al.	530	350	
	A6	6,048,837	4/11/00	Friedman et al.	514	2	
	A7	6,124,439	9/26/00	Friedman et al.	530	388.24	
	A8	6,124,448	9/26/00	Friedman et al.	536	24.3	
	A9	6,309,853	10/30/01	Friedman et al.	435	69.1	
	A10	6,350,730	2/26/02	Friedman et al.	514	12	

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							Yes	No
	B1	WO 91/00730	1/24/91	WIPO				
	B2	WO 96/05309	2/22/96	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

C1	Abuchowski et al., <i>Enzymes as Drugs</i> (J.S. Holcenberg and J. Roberts, eds. pp. 367-383 (1981)
C2	Banks & Kastin, <i>Pharmacol. Biochem. Behav.</i> , 21:943-946 (1984)
C3	Banks & Kastin, <i>Psychoneuroendocrinology</i> , 10:385-399 (1985)
C4	Banks & Kastin, <i>J. Pharmacol. Exp. Ther.</i> , 239:668-672 (1986)
C5	Banks et al., <i>Peptides</i> , 17(2):305-311 (1996)
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C8	Brobeck et al., <i>Yale J. Biol. Med.</i> , 20:545-552 (1948)
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C10	Cao et al., "Leptin Receptors are Located on Epinephrine Secreting Cells in the Adrenal Medulla of the Rat", Society for Neuroscience Abstracts, <i>Society for Neuroscience</i> , 23:851 (1997)
C11	Cao et al., "Leptin receptors in the adrenal medulla of the rat", <i>American Journal of Physiology</i> , 273:E448-E452 (1997)
C12	Carulli et al., "Regulation of OB Gene Expression in Humans:Effect of



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	C13	Carulli et al., "Regulation of OB Gene Expression: Evidence for Epinephrine-Induced Suppression in Human Obesity", <i>Journal of Clinical Endocrinology and Metabolism</i> , New York, New York, 84:3309-3312 (1999)
	C14	Coleman, <i>Diabetologica</i> , 14:141-148 (1978)
	C15	Commings et al., "Norepinephrine is Required for Leptin Effects on Gene Expression in Brown and White Adipose Tissue", <i>Endocrinology</i> , 140(10):4772-4778 (1999)
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	C20	Greig, <i>Physiology and Pharmacology of the Blood-Brain Barrier Handbook of Experimental Pharmacology</i> , 103:487-523, Springer-Verlag, Berlin (1992)
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	C23	Leibowitz et al., <i>Abstract & Brain Research Bulletin</i> , 17:681-690 (1986) Database accession no. PREV198783067756
	C24	Malik, <i>Exp. Hematol.</i> , 20:1028-1035 (1992)
	C25	Mostyn et al., "Effects of Adrenaline, Noradrenaline and Isoprenaline on Circulating Leptin Levels in Mice", <i>Proceedings of the Nutrition Society</i> , London, Great Britain, 58:69A (1998)
	C26	Murakami et al., <i>Biochem. Biophys. Res. Comm.</i> , 209:944-952 (1995)
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	C30	Unterberg, <i>J. Cereb. Blood Flow Metab.</i> , 4:574-585 (1984)
	C31	Zhang et al., <i>Nature</i> , 372:425-432 (1994)

Examiner	Date Considered
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	